

BEREZHOV, Ivan Nikolayevich; ZAYCHENKO, Grigoriy Evlampiyevich; GOLOVANENKO,
I.M., red.; SHUSTOVA, V.M., red. izd-vu; KARASEV, A.I., tekhn. red.

[Open-pit mining of deposits of refractory clays and kaolins]
Razrabotka mestorozhdenii ogneupornykh glin i kaolinov otkrytym
sposobom. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i
tsvetnoi metallurgii, 1958. 162 p. (MIRA 11:8)
(Clays) (Strip mining)

KRAPUCHIN, V.V., kandidat tehnicheskikh nauk; ZAICHENKO, G.N., kandidat tehnicheskikh nauk.

Automatization of high-temperature electric retort furnaces. TSvet.
met. 29 no.4:62-68 Ap '56. (MLRA 9:8)

1. Mintsvetmetzoloto.
(Electric furnaces)

Zaychenko, G. N.

136-9-11/14

AUTHORS: Krapukhin, V.V., Candidate of Technical Sciences,
Zaychenko, G. N., Candidate of Technical Sciences,
and Porthunov, F. M. and Izhina, Ye. Ya., Engineers.

TITLE: Electric Furnace for carbidization of tungsten.
(Elektropoch' dlya karbidizatsii vol'fmita).

PERIODICAL: Tsvetnye Metally, 1957, No.9, pp. 67-73 (USSR).

ABSTRACT: In the investigation described, in which the authors were assisted by A. S. Zil'berman and V. P. Poplavskiy, the use of graphite-tube and two-zone molybdenum furnaces for producing tungsten carbide was studied. The graphite-tube type was found to be liable to produce carbides of inconstant quality and to be difficult to incorporate in an automatic production line. These objections do not apply to the authors' two-zone molybdenum furnace (Fig.4) which has been mechanized and automated so that the following operations are carried out automatically:
introduction of the charge-containing boats into the furnace and their movement through it; discharge of boats with the treated charge from the furnace and their recharging; recovering of boats and their delivery to the furnace charging mechanism. The new system gives carbide product superior to that obtained with graphite tube

Card 1/2

Electric furnace for carbidization of tungsten. 136-9-11/14
furnaces (Fig.7). The authors' work won a prize at an
All-Union competition for the best proposal on the
automation of cement production.
There are 7 figures and 1 Russian reference.

ASSOCIATION: Mintsvetmetzoloto, Moscow Hard Alloys Combine
(Moskovskiy kombinat tverdykh splavov),

AVAILABLE: Library of Congress.

1. Tungsten-Carbonization 2. Furnaces-Electrical-Application

Card 2/2

ZAYCHENKO G.N.

136-11-13/17

AUTHORS: Krapukhin, V.V. and Zaychenko, G.N., Candidates of Technical Sciences, Rozanova, N.S., Engineer and Prokhorova, N.G.

TITLE: Drying Hard Alloy Articles by Infrared Rays (Sushka tverdos-plavnnykh izdeliy infrakrasnymi luchami)

PERIODICAL: Tsvetnyye Metally, 1957, no.11, pp. 75 - 78 (USSR).

ABSTRACT: In the work described by the authors and in which Engineer Ye.A. Gol'dberg participated, the influence of changes in drying temperature on the time required to dry (i.e. to remove volatiles from and strengthen) the compressed cermet-mix object was studied. This was followed by experiments in which the process was carried out in infra-red radiation from type C-1 lamps fitted with glass bowls and parabolic minor reflectors. Drying time was reduced to 25-35 min., the advantages of additional heating from the bottom being established. On the basis of these laboratory experiments, a continuous drier (Fig.1) was designed (N.P. Yakovlev participating), in which the lamps are arranged in a checker pattern over the conveyor-borne objects while nichrome heaters are arranged to heat the undersides of the objects. The authors show the temperature changes at different depths inside an object as it passes through the installation (Figs. 2 and 3) based on tests with a 40 mm high

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Drying Hard Alloy Articles by Infrared Rays

136-11-13/17

x 35 x 25 mm object fitted with thermocouples at three levels. Prolonged use of the installation for titanium-tungsten-cobalt sintered objects has confirmed its reliability. For these materials, the speed of the conveyor is 2.5 m/hr, drying is effected in 30 min., the electricity consumption amounts to 135 kWh/ton of dried material and the daily productivity exceeds 1 ton. The installation is recommended for other metallurgical processes. There are 3 figures and 4 Russian references.

ASSOCIATIONS: Mintsvetmetzoloto and the Moscow Combine for Hard Alloys
(Mintsvetmetzoloto i Moskovskiy kombinat tverdykh splavov)

AVAILABLE: Library of Congress

Card 2/2

1. Sintered alloys-Drying
2. Infrared rays-Applications

KHAPUKHIN, V.V.; ZAYCHENKO, G.N.

Improving electric furnaces for the sintering hard alloys, Izv.
vys. ucheb. zav.; tsvet. met. no.2:117-123 '58. (MIRA 11:8)

1. Moskovskiy institut tsvetnykh metallov i solcta. Kafedra
metallurgicheskikh pechey.
(Electric furnaces) (Sintering)

ZAYCHENKO, G.N.; KRAPUKHIN, V.V.

Control diagrams for high temperature electric furnaces in the hard-alloy industry. Izv.vys. ucheb. zav.; tsvet. met. no.3:102-109
'58. (MIRA 11:11)

1. Moskovskiy institut tsvetnykh metallov i zolota. Kafedra metalurgicheskikh pechey.
(Electric furnaces) (Automatic control)

SOV/136-59-4-17/24

AUTHORS: Zaychenko, G.N. and Krapukhin, V.V., Candidates of
Technical Sciences

TITLE: Improvement of Automatic Furnace-Temperature Control
(Usovershenstvovaniye avtomaticheskogo regulirovaniya
temperatury v pechakh)

PERIODICAL: Tsvetnyye metally, 1959, Nr 4, pp 80-81 (USSR)

ABSTRACT: Automatic control equipment often occupies valuable space. The authors describe their solution to this problem for furnace temperature-control based on the use of a single instrument, to control several parameters. The system is simple and reliable and was developed and tested with the participation of E.S.Makarova, engineer, and V.P.Poplavskiy. Two variants for several equal desired values are shown in Fig 1 and 2. The former involves the use of a type KEP twelve-circuit controller, while in the latter, in which intermediate relays are used, this can be replaced by a simple switch with four contacts. For different desired values the signals from the different thermocouples are equalised in every thermocouple circuit but one. The system works well

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SOV/136-59-4-17/24

Improvement of Automatic Furnace-Temperature Control

when the furnaces have large heat capacities. The equipment has been put into practice at the Moskovskiy kombinat tverdykh splavov (Moscow Cermets Combine). There are 3 figures.

ASSOCIATION:Krasnoyarskiy institut tsvetnykh metallov (b.Mintsvetmetzoloto) (Krasnoyarsk Non-Ferrous Metals Institute - formerly Mintsvetmetzoloto)

Card 2/2

SOV/136-59-6-13/24

AUTHORS: Zaychenko, G.N., Krapukhin, V.V., Candidates of Technical Sciences and Porkhunov, P.M.

TITLE: The Complex Automation of High-temperature Electric Furnaces (Kompleksnaya avtomatizatsiya vysokotemperaturnykh elektropechey)

PERIODICAL: Tsvetnyye metally, 1959, Nr 6, pp 71 - 75 (USSR)

ABSTRACT: Work has been in progress for many years on the mechanization of high-temperature furnaces at the collective Moscow Kombinat of Hard Alloys in close co-operation with the Krasnoyarsk Institute of Non-ferrous Metals. Two methods have been investigated - mechanical and electrical. The first is preferred for furnaces not requiring a protective atmosphere. Figure 1 shows the general scheme for such a furnace. The movement of the loading containers is by mechanical rods. The slow movement is obtained by an electric motor (D) through an electromagnetic clutch (ME) with chain transmission. The fast return movement is operated pneumatically (T1). Loading the containers in the furnace is controlled by two pneumatic cylinders, T2 and T3, 2-way electromagnetic valves EPPZ and EPFR

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SOV/136-59-6-13/24

The Complex Automation of High-temperature Electric Furnaces

and a simple two-way valve, KP. Feeding containers for loading are shown, bottom left - Figure 1. The discharge is by normal free sliding. Figure 2 shows a scheme for a furnace in the production of tungsten carbide which uses a hydrogen atmosphere. An asbestos seal is used together with pressure from pneumatic cylinders. In the event of an accidental stoppage there is an automatic switch to cylinders supplied with compressed air from a balloon. The construction of the loading and discharging apparatus is shown in Figure 3. Discharging occurs by two rods - T4 and T5. The described automation has been fully proved after prolonged use and the conversion of all furnaces to this type has begun. There are 3 figures and 3 Soviet references.

Card 2/3

SOV/136-59-6-13/24

The Complex Automation of High-temperature Electric Furnaces

ASSOCIATIONS: Krasnoyarskiy institut tsvetnykh metallov
(Krasnoyarsk Institute of Non-ferrous Metals)
Moskovskiy kombinat tverdykh splavov
(Moscow Kombinat of Hard Alloys)

Card 3/3

ZAYCHENKO, G. N.

KARPUKHIN, V. V.; ZAYCHENKO, G. N.; ZIL'KIRMAN, A. S.; POPIAVSKIY, V. R.; EOKOLOV,
B. A.; NIKITIN, N. G.; DVORYANKIN, M. M.; KEL'NIKOV, V. P.; OL'CHEV, P. F.;
BABCHENKO, V. M.

Two-zonal electric furnace for the caking of solid alloys.
Prom. energ. 14 no. 1:40-41 Ja '59. (MIRA 12:1)
(Electric furnaces)

ZAYCHENKO, G.N.; KUZNETSOV, S.F.

Forcing reverse current in electrolytic baths operating on
alternating polarity. Sbor. nauch. trud. GINTSVETMET no.33:
377-387 '60. (MIRA 15:3)

(Electroplating)

FADDEYEV, B.V., kand.tekhn.nauk; ZAYCHENKO, G.S.

Conveyor transportation in the Chasov Yar pits. Gor. zhur.
(MIRA 15:2)
no.7:42-45 Jl '61.

1. Ural'skiy filial AN SSSR, Sverdlovsk (for Faddeyev).
2. Nachal'nik Gornogo upravleniya Chasov-Yarskogo kombinata,
Chasov-Yar Stalinskoy oblasti (for Zaychenko).
(Chasov Yar Region—Strip mining)
(Conveying machinery)

ZAYCHENKO, G.V.

Pledge of tractor-industry workers in the Ural Mountains.
Mashinostroitel' no.7:3-4 '61. (MIRA 14:7)

1. Direktor Chelyabinskogo traktornogo zavoda.
(Chelyabinsk—Tractor industry)

ZAYCHENKO, G.Ye.

Introduction of new machinery and techniques to mining opera-
tions. Ogneupory 28 №.4:151-159 '63. (MIRA 16:6)

1. Chasov-Yarskiy kombinat ogneupornikh isdelyi.
(Chasov Yar region--Fireclay)
(Strip mining--Equipment and supplies)

ZAYCHENKO, G. Ye.

Use of the CMGSh-50/500 transporter bridge in the Chasov Yar
open pits. Gor. zhur. no.2:13-18 F '63. (MIRA 16:2)

1. Nachal'nik gornogo upravleniya Chasov-Yarskogo kombinata
ognepornykh izdeliy.
(Chasov Yar region—Transporter bridges)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964020013-5

KTITOROV, P.M.; BEREZINOV, I.N.; ZAYCHENKO, G.Ye.

Working the overlying strata with use of an ESH-4/40 excavator and
without transportation. Ogneupory 18 no.4:159-163 Ap '53.
(MIRA 11:10)

1. Chasov-Yarskoye rudoupravleniye.
(Excavating machinery)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964020013-5"

ZAYCHENKO, O.V.; CHEREKOVSKIY, Yu.I.

Twentieth anniversary of the Chelyabinsk Tractor Plant. Vest.mash. 33 no.7:
97-99 Jl '53. (MLRA 6:8)
(Chelyabinsk--Tractor industry) (Tractor industry--Chelyabinsk)

ZAYCHENKO, G.Ye.

KRITOROV, P.M.; ZAYCHENKO, G.Ye.; BEREZHOV, I.N.

Use of conveyer belts in Chasov Yar quarries. Ogneupery 20 no.6:
269-276 '55. (MILB 9:1)

1. Chasov-Yarskoye rudoupravleniye.
(Chasov Yar--Quarries and quarrying) (Conveying machinery)

ZAYCHENKO, G. Ye., KITIROV, P.M.

Electromechanical counter to record excavator operations. Ogne-
upory 21 no.4:170-172 '56. (MLRA 9:8)

1. Chasov-Yarskoye rudoopravleniye.
(Excavating machinery) (Counting devices)

ZAYCHENKO, G.Ye.

127-10-6/24

SUBJECT: USSR/Mining

AUTHORS: Ktitorov, P.M., Berezhnoy, I.N. and Zaychenko, G.Ye.

TITLE: Mechanization of Mining Operations in the Chasov-Yar Open Mines
(Mekhanizatsiya gornykh rabot na Chasov-Yarskikh kar'yerakh)

PERIODICAL: Gornyy Zhurnal, 1957, #10, pp 25-31 (USSR)

ABSTRACT: The Chasov-Yar refractory clay deposit has a thickness of from 1 to 12 m with an irregular hypsometry of both roof and bottom. The thickness of overburden rocks varies from 16 to 38 m.

The refractory clay in the Chasov-Yar open mine is mined with rotor excavators designed and constructed by local mine-work shops. The average capacity per excavator in 1956 was 634 tons per shift, varying from 236 tons for dump truck transport to 1,005 tons for belt conveyors transport. The belt conveyers-reloaders, 16 and 32 m long, also manufactured in the Chasov-Yar mechanical shops, are extensively used for clay transportation. Their total length in the open mines of the Chasov-Yar Mining Administration amounts to over 2.5 km.

In removing overburden rocks two systems are used:
1. The transport system, in which rock is loaded by 2-m³

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127-10-6/24

TITLE: Mechanization of Mining Operations in the Chasov-Yar Open Mines
(Mekhanizatsiya gornykh rabot na Chasov-Yarskikh kar'yerakh)
excavators and transported to external dumps in narrow-gauge
cars or dump trucks;
2. Non-transport system, with distribution of overburden rocks
into already mined space by means of walking type excavators
of the "ЭШ-4/40" type.

In 1955, a new highly efficient mechanism was constructed in
the Chasov-Yar Mine, which consisted of a "PB-1" rotor exca-
vator and a walking-type swing chute "ОШ-1". The capacity of
the "PB-1" rotor excavator is 600 m³/hour and the power of in-
stalled electric motors amounts to 240 kw.

The rated capacity of the walking-type swing chute is 650 m³/hr
and the total power of installed electric motors amounts to
106 kw.

In 1956 mechanization in the Chasov-Yar open mines reduced the
net cost per ton of refractory clay to 15 rubles 66 kopeks
as compared to 30 rubles 47 kopeks in 1950.

The article contains 2 photos, 6 figures and 5 tables.
No references are cited.

Card 2/3

127-10-6/24

TITLE: Mechanization of Mining Operations in the Chasov-Yar Open Mines
(Mekhanizatsiya gornykh rabot na Chasov-Yarskikh kar'yerakh)

ASSOCIATION: Chasov-Yar Mining Administration (Chasov-Yar rudoupravleniye)

PRESENTED BY:

SUBMITTED: No date indicated

AVAILABLE: At the Library of Congress.

Card 3/3

KITIOROV, Pavel Mikhaylovich.; ZAYCHENKO, Grigoriy Yevlammilevich.;
KACHURA, Nikolay Ivanovich.; KRYUCHKOV, Alekseandr Stepanovich.;
CHUMACHEVSKO, G., red.; BESPYATOV, R., tekhn. red.

[Over-all mechanization of mining operations in Chasov Yar open
pit mines] Kompleksna mekhanizatsiya hirnychkh robit na
Chasiv'iars'kykh kar'ierakh. Kyiv, Derzh. vyd-vo tekhn. lit-ry
URSR, 1958. 132 p.

(Chasov Yar--Strip mining)
(Mining machinery)

18(5)

AUTHORS: Ktitorov, P. M., Zaychenko, G. Ye. SOV/131-59-2-5/16

TITLE: Continuously Working Mine Machines (Gornyye mashiny
nepreryvnogo deystviya)

PERIODICAL: Ogneupory, 1959, Nr 2, pp 62-70 (USSR)

ABSTRACT: At the suggestion of the authors and N. I. Kachura, A. S. Kryuchkov, the shovel dredgers RV-1 and the portable conveyor belts OSh-1 were introduced in the Chasov-Yar Mining Administration. Their technical data are given in tables 1 and 2, the general view in figures 1 and 2. The mine development work will be carried out from April 1 to January 1, and in winter maintenance work will be performed in the plant. Exploitation is carried out throughout the year and the work is organized in a way that in one mine section prospecting work is done and in the other exploitation is carried out (Figs 3 and 4). In the ore deposit imeni 30-letiya VLKSM a shovel dredger RV-1 in connection with 2 portable conveyor belts OSh-1 is used (Fig 5). Their technical and economic data are given in table 3. The Chasov-Yar Ore Mining Administration together with the Novokramatorskiy mashinostroitel'nyy zavod im. Stalina

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SOV/131-59-2-5/16.

Continuously Working Mine Machines

(Novo-Kramatorskiy Machine-Building Plant imeni Stalin) has developed the shovel dredger RV-3 and the portable conveyor belt OSh-1-6/60 (Figs 6, 7 and 8). Their technical description is given in tables 4 and 5. The authors mention the following advantages of the dredger RV-1 as well as of the conveyor belt OSh-1: relatively small net weight as well as low electromotor capacity; low specific current and lubricant consumption; good maneuverability and capability of cross-country travel; high performance. There are 10 figures and 5 tables.

ASSOCIATION: Chasov-Yarskoye rudoopravleniye (Chasov-Yar Mining Administration)

Card 2/2

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964020013-5

ZAYCHENKO, G.Ye., kand. tekhn. nauk; ZAYCHENKO, V.A., inzh.; KRYUCHKOV, A.S.

Use of ZER-500 rotary excavators in the Chasov-Yar open-cut
mines. Gor. zhur. no.10:59-63 O '65. (MIRA 18:11)

1. Institut NIIKMA (for G.Zaychenko, V.Zaychenko). 2. Chkalovskiy
gornoobogatitel'nyy kombinat (for Kryuchkov).

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964020013-5"

ZAYCHENKO, G.Ye., kand. tekhn. nauk

Operating the KGTO-1000-2 stripping complex. Gor. zhur. no.2:25-
(MIRA 18:4)
27 F '65.

1. Nachal'nik Gornogo upravleniya Chasov-Yarskogo kombinata.

STASYUKOV, M.; CHUBAROV, P.; ZAYCHEMKO, I., ratsionalizator; HUTSINSKIY, V.;
VOLOVIK, A.; KNYSHEV, I.; SHTEYNGART, M.

Why are the suggestions of Dnepropetrovsk metal workers so-slowly
realized? Izobr.i rats. no.11:24-25 N '58. (MIRA 11:12)

1. Dnepropetrovskiy metallurgicheskiy zavod im. Petrovskogo (for all
except Shteyngart). 2. Starshiy inzh. Byuro izobretateley i
ratsionalizatorov zavoda (for Stasyukov). 3. Zamestitel' predsedatelya
zavodskogo komiteta (for Chubarov). 4. Zamestitel' sekretarya partinogogo
komiteta zavoda (for Hutsinskij). 5. Zamestitel' sekretarya komiteta Leninskogo
kommunisticheskogo soyuza molodezhi Ukrayiny (for Volovik). 6. Sotrudnik
gazety "Tribuna metallurga" (for Knyshev). 7. Spetsial'nyy korrespondent
zhurnala "Izobretatel' i ratsionalizator" (for Shteyngart).
(Dnepropetrovsk--Efficiency, Industrial)

ZAYCHENKO, I.; KONDAKOVA, L.

Life stimulator in waste products. NTO 4 no.5:28 My '62.
(MIRA 15:5)

1. Chleny soveta Nauchno-tekhnicheskogo obshchestva Groznenskogo
atsetonovogo zavoda. (Vitamins--B)

ZAYCHENKO, I.L., prof.

Agricultural accidents in Lvov Province. Ortop.travm. i protes.
20 no.1:63-66 Ja '59. (MIRA 12:3)

1. Iz kafedry travmatologii, ortopedii i detskoy khirurgii (zav. -
prof. I.L. Zaychenko) L'vovskogo meditsinskogo instituta (dir. -
prof. L.N. Kuzmenko).

(WOUNDS AND INJURIES
traumatol. in rural areas in Russia (Rus))
(RURAL CONDITIONS
same)

SKRIPNICHENKO, D.F., prof., red.; SHURINOK, A.R., prof., red.;
GABAY, A.V., prof., red.; DMITRIYEV, M.L., prof., red.;
KHRISTICH, A.D., prof., red.; ZAYCHENKO, I.L., prof., red.;
SITKOVSKIY, N.B., kand. med. nauk, red.; PARKHOMENKO, V.N.,
red.

[Problems in pediatric surgery; transactions] Problemy khirurgii detskogo vozrasta; trudy. Kiev, Gosmedizdat USSR,
(MIRA 17:5)
1963. 257 p.

1. Ukrainskaya nauchno-prakticheskaya konferentsiya khirurgov
detskogo vozrasta. 1st.

ZAYCHENKO, I.L.

ZAYCHENKO, I.L., prof.

Conservative resection of the knee joint in tuberculous gonitis.
Ortop.travm. i protez. 18 no.4:35-37 J1-Ag '57. (MIRA 11:1)

1. Iz kafedry travmatologii ortopedii i detskoy khirurgii (zav. -
prof. I.L.Zaychenko) L'vovskogo meditsinskogo instituta (dir. -
prof. L.N.Kuz'menko)

(TUBERCULOSIS, OSTEOARTICULAR, surg.

conservative resection of knee joint in tuberc.

gonitis)

(KNEE, dis.

tuberc. gonitis, conservative resection)

ZACHENKO, I.L.

Substitution of rarefied diaphyseal defects with boiled bovine
bone; regeneration of bone tissue in heteroimplantation. Khirur-
giia, Moskva No.12:48-53 Dec 50. (OIML 20:5)

1. Of the Trans-Carpathian Scientific-Research Institute OKhMD,
Mukachevo.

ZAYCHENKO, I.L.

Effect of experimental resection of the epiphysis on bone growth.
Khirurgija, Moskva no. 7:23-26 July 1952. (CLML 23:1)

1. Professor, 2. Of Transcarpathian Scientific-Research Institute
for the Care of Mother and Child (Head of Clinical Department of
Children's Surgery, Orthopedics, and Traumatology -- Prof. I. L.
Zaychenko).

ONUFRIYEV, Timofey Grigor'yevich, dots.; SHATNEV, Boris Nikolayevich,
dots.; IVAN'KO, Timofey Yakovlevich, inzh.; GETOL'SKAYA, Lyudmila
Sergeyevna, dots.; SARYCHEVA, Nina Petrovna, dots.; KOSTYAYEV,
Sergey Petrovich, inzh.[deceased]; YEGOROV, L.P., dots., retsenzent;
ZAYCHENKO, I.R., dots., retsenzent; BYALYNITSKIY, V.A., inzh., retsenzent;
CHERKASHIN, N.A., inzh., retsenzent; DYMER, I.I., inzh., retsenzent; PAUL',
V.P., inzh., red.; NEKLEPAYEVA, Z.A., inzh., red.; MEDVEDEVA, M.A.,
tekhn. red.

[Buildings in railroad transportation] Zdaniia na zheleznodorozh-
nom transporte. Moskva, Transzheldorizdat, 1962. 408 p. (MIRA 15:6)
(Railroads--Buildings and structures)

ZAYATS, I.N.; ORDYNSKIY, I.S.

Use of pregnant mare serum to control sterility in cows. Veterinariia
(MIRA 17:1)
40 no.5:7-8 My '63.

1. Glavnnyy veterinarnyy vrach Kheronskogo oblastnogo upravleniya pro-
izvodstva i zagotovok sel'skokhozyayatvennykh produktov (for Zayats).
2. Direktor Kheronskoy oblastnoy veterinarnoy polikliniki (for Or-
dynskiy).

MAYATIN, A.A.; KRUTOUS, M.D.; GITARSKIY, V.S.; BORIENKO, V.S.; GORELIK, M.M.;
VINOGRADOV, N.P.; KAUFMAN, D.I.; SLAVIN, L.S.; GSPASHVILLI, M.N.;
KIRPENEV, N.K.; FOZENBERGER, H.A.; NAFKHANENKO, Z.S.; KIFUS, L.A.;
ZAYCHENKO, I.V.

Innovations. Bum. 1 der. prom. no.3:58-59 J1-S '64. (MIRA 17:11)

ZAYCHENKO, I.Z., inzh.

[Hydraulic equipment of modern machine tools] Gidravlicheskoe
oborudovanie sovremennykh metallorezhushchikh stankov, n.p.
Mashgiz, 1945. 254 p.
(Machine tools--Hydraulic drive)

ZAYCHENKO, I.Z.

Present-day state of milling machines with hydraulic equipment.
Stan. i instr. '18' no. 4:10-15 Ap '47. (MIRA 7:11)

1. Ekperimental'nyy nauchno-issledovatel'skiy institut metallo-
shushchikh stankov.
(Milling machines)

ZAYCHENKO, I. A.

GEARING

Development of hydraulic transmission in machine building. Stan. i instr.
23 no. 4, 1952.

Monthly List of Russian Accessions, Library of Congress November 1952. UNCLASSIFIED.

1. ZAYCHENKO, I. Z.

2. USSR (600)

3. Machine Tools

4. Hydraulic impact in the break action of forward motion hydraulic transmissions in
a closed system.

Stan.i instr. № 10 - 1952.

9. Monthly List of Russian Acquisitions, Library of Congress, February, 1953. Unclassified.

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APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964020013-5"

BARSUKOV, A.A.; VASIL'YEV, N.V.; ZAYCHENKO, I.Z.; KAMSHETSKIY, G.I., MAZYRIN,
I.V.; MODEL', B.I., tekhnicheskij redaktor

[General reference data on hydraulic equipment used in modernizing
machine tools] Obshchie spravochnye dannye po gidrooborudovaniyu,
ispol'zuemomu pri modernizatsii metallorezhushchikh stankov. Moskva,
Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956. 151 p.

(MIRA 10:3)

1. Moscow, Eksperimental'nyy nauchno-issledovatel'skiy institut
metallorezhushchikh stankov.
(Hydraulic machinery) (Machine tools)

ZAYCHENKO, I.Z.

112-2-4042

Translation from: Referativnyy Zhurnal, Elektrotehnika, 1957,
Nr 2, p.218 (USSR)

AUTHOR: Zaychenko, I.Z.

TITLE: Basic Problems in the Field of Automated Volumetric
Hydraulic Transmission (Osnovnyye zadachi v oblasti
avtomatizirovannykh ob'emnykh gidroperedach)

PERIODICAL: Avtomatizatsiya tekhnol. protsessov v mashinostr.
Privod i upravleniye mashinami. Moscow, AN SSSR,
1956, pp.59-83

ABSTRACT: Bibliographic entry

Card 1/1

AID P - 5353

Subject : USSR/Engineering

Card 1/1 Pub. 103 - 8/25

Author : Zaychenko, I. Z.

Title : Determining main characteristics of duplex vane pumps

Periodical : Stan. i instr., 8, 23-27, Ag 1956

Abstract : On the basis of experiments of the Experimental Scientific Research Institute of Metal-Cutting Machines (ENIMS) the author presents formulae for calculation of various elements of duplex rotary vane pumps, such as the curvature of the stator, the angle and number of vanes, the velocity of the liquid flowing through the pump chamber, the distributing discs, bulkheadings, etc. Several practical suggestions are also given to designers of pumps. Twenty-five formulae, 7 drawings and 3 graphs.

Institution : As above

Submitted : No date

25(2)

PHASE I BOOK EXPLOITATION SOV/2853

Zaychenko, I. Z., Candidate of Technical Sciences

Osnovy teorii dinamicheskoy ustoychivosti gidroperedach metallo-rezhushchikh stankov; avtoreferat dissertatsii, predstavленной на соискание ученой степени доктора технических наук (Fundamentals of the Theory of Dynamic Stability of Hydraulic Circuits in Metal-cutting Machine Tools; Author's Abstract of a Dissertation Presented for the Degree of Doctor of Technical Sciences) Moscow, Tsentr. byuro tekhn. informatsii ENIMS, 1958. 19 p. 200 copies printed.

Sponsoring Agency: Moskovskiy stankoinstrumental'nyy institut imeni I. V. Stalina.

No contributors mentioned.

PURPOSE: The booklet is intended for engineers and designers in the field of hydraulic machinery.

COVERAGE: The booklet is devoted to an analysis of the dynamic stability of hydraulic circuits for the translatory motion of machine-tool mechanisms. The linear theory of vibration (dealing Card 1/3

Fundamentals of the Theory (Cont.)

SOV/2853

with small amplitudes) is applied in analyzing actuators fed either by controlled variable-delivery pumps or by constant delivery pumps with throttle control. No personalities are mentioned. There are no references.

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Hydraulic Circuits With Constant-discharge Pumps and Throttle Valve Control	2
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Card 2/3

PHASE I BOOK EXPLOITATION 1226

Zaychenko, Igor' Zaharovich

Avtokolebaniya v gidroperedachakh metallorezhushchikh stankov (Self-oscillations in Hydraulic Transmissions for Metal-cutting Machine Tools) Moscow, Mashgiz, 1958. 219 p. 6,000 copies printed.

Reviewer: Golynker, I. I., Engineer; Ed.: Leshchenko, V. A., Candidate of Technical Sciences; Tech. Ed.: Uvarova, A. F.; Managing Ed. for Literature on Metal Working and Tool Making (Mashgiz): Beyzel'man, R. D., Engineer.

PURPOSE: This book is intended for designers, scientific workers, and engineers utilizing hydraulic transmissions, and for students of vuzes. It may also be valuable to technicians.

COVERAGE: The book is devoted to an analysis of dynamic stability and self-oscillations in reciprocating motion hydraulic transmissions used for driving metal-cutting machine tools. Experience in designing and testing hydraulic transmissions acquired in machine-tool building is

Card 1/3

Self-oscillations (Cont.)

1226

generalized. In the final chapter the author gives practical conclusions from the basic theory of hydraulic transmissions; he discusses various hydraulic circuits and recommends design methods for eliminating self-oscillations. No personalities are mentioned. There are 26 references, 25 of which are Soviet, and 1 English.

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Ch. VII. Devices for Eliminating Self-oscillations in Hydraulic Transmissions of Machine Tools	166
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AVAILABLE: Library of Congress

Card 3/3

GO/sht
2-24-59

ZAYCHENKO, I. Z., Doc Tech Sci -- (diss) "Foundations of the theory of dynamic resistance of hydraulic transmission of metal-cutting machine tools." Mos, TsBTI ENIMS, 1958. 21 pp with schemes (Min of Higher Education USSR, Mos Machine Tool and Instrument Inst im I. V. Stalin), 200 copies (KL, 35-58, 107)

ZAYCHENKO, I. Z.

"On Problems concerning the dynamic Stability of Pneumatic and Pneumohydraulic Drives."

report presented at the Second Conf. on the Problem of Pneumatic Hydraulic Automation, at Inst. of Automation, AS USSR, 17-19 Mar. '58.

ZAYCHENKO, I.Z.

Basic tasks of further development of hydraulic and pneumatic equipment. Stan.i instr. 29 no.11:8-12 N '58. (MIRA 11:11)
(Machine tools--Hydraulic driving)(Machine tools--Pneumatic driving)

Zaychenko, I. S.

25(1)

PHASE I BOOK EXPLOITATION

SOV/2383

Akademiya nauk SSSR. Komissiya po tekhnologii mashinostroyeniya

Avtomatizatsiya mashinostroitel'nykh protsessov. t. II: Privod i upravleniye rabochimi mashinami (Automation of Machine-building Processes. Vol.2: Drives and Control Systems for Process Machinery) Moscow, Izd-vo AN SSSR, 1959. 370 p. Errata slip inserted. 5,000 copies printed.

Ed.: V.I. Dikushin, Academician; Ed. of Publishing House: D.M. Ioffe; Tech. Ed.: I.F. Kuz'min.

PURPOSE: This book is intended for engineers dealing with automation of various machine-building processes.

COVERAGE: This is the second volume of transactions of the second Conference on Overall Mechanization and Automation of Manufacturing Processes held September 25-29, 1956. The present volume consists of three parts, the first dealing with automation of engineering measuring methods. The subjects discussed include automatic control of dimensions of machined parts, inspection methods for automatic production lines, in-process inspection

Card 1/7

Automation of Machine-building (Cont.)

SOV/2383

devices, application of electronics in automating linear measuring processes, and machines for automatic inspection of bearing races. The second part deals with automatic drives and control systems for process machinery, including application of digital computers in the control of metal-cutting machine tools, reliability of relay systems, application of gas-tube frequency converters in the control of induction motor speeds, magnetic amplifiers and their use in automatic systems, hydraulic drives, and ultrasonic vibrators. Part three deals with mechanisms of automatic machines and automatic production lines. The subjects discussed include linkage, indexing, and Geneva-wheel-type mechanisms, friction drives, automatic loading devices, diaphragm-type pneumatic drives, various auxiliary devices for automatic production lines, and methods of design and accuracy of cams. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

PART I. AUTOMATION OF THE PROCESSES OF
ENGINEERING MEASUREMENT

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PART II. AUTOMATIC DRIVES AND CONTROL
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Zusman, V.G., and I.A. Vul'fson. Designing Digital Program
Control Systems for Machine Tools

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Sotskov, B.S. Problems Concerning the Reliability of Relay
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in the Control of Induction Motor Speeds by the Frequency
Method

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Naydis, V.A. Controlled Electric Drive for Metal-cutting

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Revkov, G.A. Controlled Friction Drives Made by TsNIITMASH	270
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Medvid', M.V. Automatic Feeding of Piece Stock Into Working Machines	292
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Bron, L.S. Standard Auxiliary Devices for Automatic Lines 352
Borun, F.L. Problems of Profile Design and Cam Accuracy for Process Machinery in Vacuum Tube Industry 363

AVAILABLE: Library of Congress

Card 7/7

GO/ec
10-27-59

S/121/61/000/006/002/012
DO40/D112

AUTHORS: Zaychenko, I.Z., Konovalov, V.M., Myshlevskiy, L.M., and
Stepanenko, G.M.

TITLE: New long-life vane pumps

PERIODICAL: Stanki i instrument, no. 6, 1961, 6-10

TEXT: New vane pumps for the hydraulic drives of machine tools have been developed by ENIMS in cooperation with the Yeletskiy zavod stanochnoy gidroapparatury (Yelets Machine Tool Hydraulic Equipment Plant). The new "Г" (G) series pumps will replace the old "Л" (L) pumps, i.e. Л1Ф (L1F), Л3Ф (L3F), and Л5К (L5K), that have high hydraulic losses. The article gives detailed design description of the Г12-2 (G12-2) and Г12-4 (G12-4) and dimension charts of other pumps of the series. The major share of leakage in the old design is through the passage q₃ (Fig. 2), i.e. from the groove under vanes into the intake space through the butt-end gap between the rotor and the discs. This explains why wear on the butt faces of the distributing discs raises oil loss so much. In the new design (Fig. 3) the distribution discs (8) and (7) are made of case-hardened 20Х (20Kh) steel with Rc 56-52 hardness, and the disc (8) is floating, i.e. it is pressed to the stator (3)

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S/121/61/000/006/002/012
D040/D112

New long-life vane pump

by springs (9) at the start of operation, and by oil pressure during operation. In Fig. 3, 1 is the pump casing, 2 the cover and 3 the rotor. This makes the assembling simpler and eliminates the danger of jamming. The output and intake ducts are open, the rotor has no trunnion. The G12-4 has eight vanes (4) and the G12-2 twelve. The rubber sealings (10) and (6) are standard. The stator profile and dimensions were chosen in accordance with recommendations by I.Z. Zaychenko (Ref. 2: "Stanki i instrument", no. 8, 1956). When coupled, the G12-2 and G12-4 pumps (Fig. 4) have one intake and two separate outlets. Calculation of the pressure on the floating disc is given. The G12-2 pumps of 5-50 liter/min capacity can work at up to 1440 shaft rpm. The life-time of the new pumps is 4-5 times longer than that of the old they are replacing. Pressure on the floating distributing disc (pressing it to the stator) must have a certain value (Δ) that is obtained when the floating disc surface area under the effect of intake oil pressure (F_{in}) exceeds F_o 1.19 times, i.e. the following condition must be satisfied:

$$\Delta = \frac{F_{in}}{F_o} \rightarrow 1.19. \quad (5)$$

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New long-life vane pumps

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D040/D112

The maximum work pressure of the G12-4 type pumps is 50 kgf/cm², and of the G12-2 - 64 kgf/cm². The G12-4 is smaller than the G12-2. Both are designed for application in new standard-unit power heads developed by the SKB-1 for Stankozavod im. S. Ordzhonikidze (Machine Tool Plant im. S. Ordzhonikidze) as well as other hydraulic drives where minimum size and weight are important. There are 12 figures, 3 tables and 2 Soviet references.

Card 3/6

S/121/60/000/007/002/011

AUTHORS: Zaychenko, I.Z., Vasil'yev, N.V.

TITLE: Investigations and Calculations of New Throttle Designs

PERIODICAL: Stanki i Instrument, 1960, No. 7, pp. 10-13

TEXT: The authors investigate and describe various models of new throttles developed by ENIMS and manufactured in series by specialized plants. Pressure fluid discharge through the throttle can be expressed by the equation: $Q = Kf\Delta p^m$, where Q = discharge in cm^3/sec , Δp = pressure drop of the throttle in kg/cm^2 , f = slot area of the throttle in cm^2 , m = power exponent, K = coefficient depending on the properties of the fluid. Variations of the discharge, depending on a pressure drop in the analyzed throttles, are taking place according to a parabola with the power exponent $m = 0.5$. Such a discharge-to-pressure-drop relation corresponds to the law of fluid discharge through a diaphragm. The fluid discharge through the throttle in the range of 15-50°C depends only to a very small extent on the temperature. Therefore it is not necessary to provide any devices for the compensation of changes in the viscosity of the fluid, since the passage over which the friction of particles of the pressure fluid takes place has been reduced to a minimum. The values of the coefficient K , established by experiments, make it possible to determine by calculation, for every given magnitude of cross-section

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S/121/60/000/007/002/011

Investigations and Calculations of New Throttle Designs

of the throttling slot, the discharge magnitude as a function of the pressure drop. For the investigated throttle types it has been established that the cross-section area of the slot corresponds to the graduation on the throttle scale, which makes it possible to determine the discharge magnitude as a function of the throttle adjustment. In order to facilitate and accelerate the calculations, it is advisable to represent the discharge as a function of pressure drop and throttle adjustment in a graphical way in the form of a nomogram. Investigations of the energy indices of the Г 77-1 (G77-1) and Г 77-3 (G77-3) throttle models (the throttles were fitted at the input of pressure fluid into the hydraulic engine) made it possible to find out that the maximum effective power at the output of the pressure fluid from the throttle occurs at a pressure of $\frac{2}{3}$ of the pressure magnitude at the throttle input. If the pressure drop and, consequently, the discharge through the throttle are reduced, the throttle efficiency increases. There are 3 diagrams, 3 graphs, 2 tables, 1 nomogram and 2 Soviet references.

Card 2/2

83286

S/121/60/000/009/004/006
A004/A001

28.1000

AUTHORS: Zaychenko, I.Z., Myshlevskiy, L.M.

TITLE: Small-Size and Low-Inertia Blade-Type Hydraulic Engines

PERIODICAL: Stanki i Instrument, 1960, No. 9, pp. 27-31

TEXT: Since the extensive development of the automation of machine tools and other machines demands cheap, quick-response and compact hydraulic engines of rotation type, the ENIMS has developed a range of blade-type hydraulic engines which are now mass-produced at the Yeletskiy zavod stanochnoi gidroapparatury (Yelets Plant for the Manufacture of Hydraulic Machine Tool Equipment). The authors point out that these hydraulic engines, in comparison with a-c and d-c electromotors, have considerably smaller overall dimensions, less weight and a lower moment of inertia. The comparative data are given in a tabel. The authors then give a detailed description and the overall and coupling dimensions of the hydraulic engine models MG 16-13, MG16-14, MG16-15A, MG16-15, and MG16-16A, emphasizing that blade-type hydraulic engines are of a double-acting type, i.e. during one shaft revolution two cycles of intake and discharge of the pressure fluid are taking place. A special feature of the hydraulic engine design is the

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S/121/60/000/009/004/006
A004/A001

Small-Size and Low-Inertia Blade-Type Hydraulic Engines

use of steel distributing disks which, in combination with the automatically tightened rear distributing disk, ensures a high resistance to wear and long life of the engine. This special feature of design makes blade-type hydraulic engines less sensitive against contaminations of the pressure fluid than e.g. piston-type hydraulic engines. In view of the infinitesimal small moment of inertia of the hydraulic engine itself, its reversing time without flywheel mass is also infinitesimal small. For the M016-13 engine, e.g., the reversing time at 1,000 rpm amounts to 0.002 sec. A table is presented which shows the characteristics of hydraulic engines, expressing the dependence of efficiency and power on the number of shaft revolutions. The authors give a description of the connecting layout between hydraulic engine and pump. There are 9 figures, 2 tables and 3 Soviet references.

Card 2/2

ZAYCHENKO, I.Z.; VASIL'YEV, N.V.

Investigating and calculating new choke designs. Stan.1
instr. 31 no.7:10-13 J1 '60. (MIRA 13:7)
(Machine tools—Hydraulic driving)

ZAYCHENKO, I.Z.; MYSHEVSKIY, L.M.; ZAYTSEVA, K.V.; KAMENETSKIY,
G.I.; MAZYRIN, I.V. [deceased]; SHCHERBAKOV, V.I.; LOZHGIN, O.V.;
CHIGAREVA, E.I., red.; KOVAL'SKAYA, I.F., tekhn. red.

[Development of the designs of hydraulic and pneumatic equipment and of lubrication and filtration systems for machine tools abroad] Razvitiye konstruktsii gidravlicheskogo i pnevmaticheskogo
oborudovaniya, smazochnykh i fil'trujushchikh ustroystv metallo-
rezhushchikh stankov za rubezhom; obzor. Moskva, TSINTIMASH,
(MIRA 16:5)
1961. 101 p.

1. Moscow. Eksperimental'nyy nauchno-issledovatel'skiy institut
metallorezhushchikh stankov.
(Machine-tools--Design and construction)

LESCHENKO, Viktor Andreyevich; ZAYCHENKO, I.Z., doktor tekhn.nauk,
retsenzent; MOROZOVA, M.N., red. izd-va; MODEL', B.I., tekhn.
red.; GORDEIEVA, L.P., tekhn. red.

[Hydraulic servodrives for the automation of machine tools]
Gidravlicheskie slediashchie privody dlia avtomatizatsii stankov.
(MIRA 15:7)
Moskva, Mashgiz, 1962. 367 p.
(Machine tools) (Hydraulic control)

BASHTA, T.M.; ZAYCHENKO, I.Z., doktor tekhn. nauk, retsenzent;
SOKOLOVA, T.F., tekim. red.

[Hydraulics in the manufacture of machinery] Mashino-
stroitel'naia gidravlika; spravochnoe posobie. Moskva,
Mashgiz, 1963. 696 p. (MIRA 17:1)

ZAYCHENKO, I.Z.; MYSHLEVSKIY, L.M.; KAMENIR, Ya.A., kand. tekhn.
nauk, rotsenzent; LEZHCHENKO, V.A., kand. tekhn. nauk,
red.

[Rotary pumps and hydraulic engines] Lopastnye nasosy i
gidromotory. Moskva, Izd-vo "Mashinostroenie," 1964. 211 p.
(MIRA 17:4)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964020013-5

ZAYCHENKO, I. Z.

Throttle control of miner consumption of fluids. Stan. i.
instr. 35 no.5:ll-15 My '64.

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964020013-5"

ZATCHENKO, M., inzh.

Operation and maintenance of machinery at the Gul'kevichi Corn Processing Plant, Muk.-elev. prov. 26 no. 10; 4-6 0'60. (MIRA 13:10)

1. Gul'kevicheskiy zavod po obrabotke gibridnykh i sortovykh semyan kukurusy.
(Grain-handling machinery) (Corn products)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964020013-5

PROKOP'YEV, G., starshiy leytenant; ZAYATS, N., leytenant

In the field, at radio stations. Voen. vest 42 no.2:99-101 F '63.

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964020013-5"

COUNTRY	:	USSR	L
CATEGORY	:	Meadow Cultivation	
ABS. JOUR.	:	EZhBiol., No. 23, 1956, No. 104569	
AUTHOR	:	Zaychenko, N.	
INST.	:	-	
TITLE	:	Flood Land Meadows Near the Village of Vishen'ki, Borispol'skiy Rayon, Kiev Oblast'.	
ORIG. PUB.	:	Nauk. zap. Kiiv's'k. un-t, 1957, 16, No. 1, 131-136	
ABSTRACT	:	A study of the flora was carried out on the meadows of Kolkhoz imeni Shevchenko (Kiev oblast') on the flood land of Dnieper River over an area of 1280 hectares. 149 species of plants were collected, a list of which is cited. A mass occurrence of inferior species is noted.	
Card:1/1			

ZAYCHEVKO N.

MIKHEYEV, A. (Simferopol'); ZAYCHENKO, N. (Ishimbay, Bashkirskaya ASSR);
ORLOVA, A. (Ryzan'); GLOBOGOV, A. (g. Serov); KUTTEYNIKOV, A. (Leningrad);
KONOPLEV, M. (Blagoveshchensk); PESIS, Z. (Odessa).

At the fighting stand. Pozh.delo 3 no.9:18-19 S '57. (MIRA 10:9)
(Fire prevention)

ZAYCHENKO, N.I.

Bottom-land meadows of the Dnieper near the village of Vishen'ki,
in Borispol' District, Kiev Province. Nauk zap. Kyiv. un. 16
no.1:131-136 '57. (MIRA 11:6)
(Borispol' District--Pastures and meadows)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964020013-5

ZAYCHENKO, N. S., ed.

Courses on the organization of education in the railroad industry. Moskva, tip.
russkago t-va pech. 1 izd. disla, 1918. 73 p.

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964020013-5"

OL'KHOVSKIY, V.S. [Ol'khovskiy, V.S.]; Prinimal uchastiye: ZAYCHENKO, O.K.

Inelastic scattering of fast neutrons by nuclei with spectra
of the collective type. Ukr. fiz. zhur. 10 no.5:565-566
My '65. (MIRA 18:5)

1. Kiyevskiy gosudarstvennyy universitet im. Shevchenko.

BARDARICH, A.I.; ZAYCHENKO, O.V.

Afanasi Semenovich Rogovich (Jan. 18, 1812-Apr. 28, 1872).
Bot. zhur. 50 no.4:585-587 Ap '65. (MIRA 18:5)

1. Institut botaniki AN UkrSSR, Kiyev.

ZAYCHEKO, P.

Considering the climate. Prof.-tekhn. obr. 17 no. 12;23 D '60.
(MIRA 13;12)

1. Starshiy master uchilishcha mekhanizatsii sel'skogo khozyaystva
No 45, Kustanayskaya oblast'.
(Kustanay Province--Farm mechanization--Study and teaching)

ZAYCHENKO, Petr Aleksandrovich; GURIN, L.Ye., kand. ekon. nauk, red.; FREGER,
D.P., red.-izd-va; BELOGUROVA, I.A., tekhn. red.

[Method for achieving high labor productivity in each job by the P.A.
Zaichenko and A.F.Loginov method] Metod dostizheniya vysokoi proizvo-
ditel'nosti truda na kazdom rabochem meste, metod P.A.Zaichenko i A.F.
Loginova. Leningrad, 1961. (Leningradskii Dom nauchno-tekhничeskoi
propagandy. Opyt novatora. Seria: Organizatsiia i ekonomika proizvod-
stva, no.5) (MIRA 14:8)

(Leningrad—Machinery industry—Labor productivity)
(Socialist competition)

ZAYCHENKO, Petr Akimovich; NIKUL'KOVA, A.A., redaktor; LISINA, V.M.,
tekhnicheskiy redaktor

[Methods of teaching and the introduction of general technology
into the school] Metody obuchenija i politekhnizatsiiia shkoly.
[Novosibirsk] Novosibirskoe kn-vo, 1955. 107 p. (MIRA 9:12)
(Technology--Study and teaching)

ZAYCHENKO, P.A.; SUKHOV, I.V., inzh., red.; QVIRTS, V.L., tekhn.red.

[Milling with mechanical drive] Val'tsovka s mekhanicheskim privodom. Leningrad, 1955. 4 p. (Leningradskii dom nauchno-teknicheskoi propagandy. Informatsionno-teknicheskii listok, no.85(773))
(MIRA 10:12)

(Milling machines)

AUTHOR: Zaychenko, P.A., Dotsent

5-9-12/31

TITLE: Tasks Formulated in the "Directive I-100" Must be Solved More Energetically (Aktivnaye reshat' zadachi postavlenyye "pis'mom I-100") We Improve the Pedagogical Training of Teachers (Uluchshayem pedagogicheskuyu podgotovku uchiteley)

PERIODICAL: Vestnik Vysshey Shkoly, 1957, # 9, pp 55 - 56 (USSR)

ABSTRACT: The author states that the Chair of Pedagogics and Psychology of the Kishinev University is working to improve the training of teachers as outlined in "Letter I-100" by lectures and investigations. The Chair decided to modify the organization of psychological and pedagogical training.

For students of the Historical-Philological Faculty, seminars on pedagogical psychology were created to demonstrate the application of theory in practical work. The students visited schools, observed the pupils and had conversations with the teachers. Radical changes were brought into the training process. The author states that seminars in this discipline are absolutely necessary. From 64 hours of lectures 14 were set apart for seminars where the pedagogical ideas of Marx, Engels, Lenin, Komenskiy, Pestalozzi, Ushinskiy, Krupskaya and Makarenko are studied. Stu-

Cara 1/2

^{3-9-12/31}
Tasks Formulated in the "Directive I-100" Must be Solved More Energetically. We Improve the Pedagogical Training of Teachers

dents of the Faculty of Physics had to submit written critiques on the training. The author states that the introduction of seminars developed in the independent work of students and their interest in the pedagogical profession.

ASSOCIATION: The Kishinev State University (Kishinevskiy gosudarstvennyy universitet)

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KARASEV, V.Ya., Geroj Sotsialisticheskogo Truda; TRUTNEV, V.N., tokar';
BIRYUKOV, V.M., tokar'; ZAYCHENKO, P.A., slesar'-instruktor
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A.P., tekhn.red.

[Contribution of Soviet innovators to agriculture] Sovet
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(MIRA 14:12)

1. Predsedatel' Leningradskogo soveta novatorov (for Karasev).
2. Predsedatel' soveta novatorov zavoda "Bol'shevik" (for
Trutnev).
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metallcheskogo zavoda (for Biryukov).
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novatorov Kirovskogo zavoda (for Zaychenko).

(Agriculture)

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CIA-RDP86-00513R001964020013-5

ZAYCHENKO, P.A.; LOSHCHAGINA, Ye.I.

Kirov Plant workers reach new frontiers. Mashinostroitel' no.1:
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APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001964020013-5"

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(MIRA 14:1)

1. Laboratoriya signalizatsii i svyazi Dal'nevostochnoy dorogi
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svyazi Privolzhskoy dorogi (for Solonov).

(Railroads--Communication systems)
(Railroads--Signaling)

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CIA-RDP86-00513R001964020013-5

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